EXHIBIT 9

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1
                    UNITED STATES DISTRICT COURT
 2
                  NORTHERN DISTRICT OF CALIFORNIA
 3
                         SAN JOSE DIVISION
 4
 5
     CISCO SYSTEMS, INC.,
 6
 7
                Plaintiff,
 8
                                    ) Case No.:
          vs.
                                    ) 5:14-cv-05344-BLF(PSG)
 9
     ARISTA NETWORKS, INC.,
                Defendant.
10
11
12
13
             ATTORNEYS' EYES ONLY - HIGHLY CONFIDENTIAL
14
                VIDEOTAPED DEPOSITION OF ABHAY ROY
15
                       Palo Alto, California
                     Friday, December 18, 2015
16
                              Volume 1
17
18
19
20
21
     Reported by:
22
     RACHEL FERRIER
23
     CSR No. 6948
     Job No. 2200521
24
     PAGES 1 - 232
25
                                                      Page 1
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1	encounters a shorter version, they can expand it, and if	09:49AM
2	RIP is used further down the document, you can keep	09:49AM
3	saying router information protocol or you can shorthand	09:49AM
4	it, and, typically, at the first documents, you will	09:49AM
5	have both versions, which this is the shorthand for	09:49AM
6	that.	09:49AM
7	Q Are these capitalized letters actually part of	09:49AM
8	the CLI command or are they there for some different	09:49AM
9	reason?	09:49AM
10	MR. NEUKOM: Objection; vague and compound.	09:49AM
11	THE WITNESS: I mean, just looking at this, it's	09:49AM
12	hard to say. There's probably a more detailed document	09:49AM
13	on this command that can probably tell us more. Just by	09:49AM
14	looking at it, it's hard to say what it's trying to say.	09:50AM
15	BY MR. SILBERT:	09:50AM
16	Q You claim to be the person who authored the	09:50AM
17	command "bfd all-interfaces"; correct?	09:50AM
18	MR. NEUKOM: Objection; misstates prior	09:50AM
19	statements and calls for a legal conclusion.	09:50AM
20	THE WITNESS: So bfd all-interfaces is is	09:50AM
21	looks like a broader implication for various protocols.	09:50AM
22	My involvement has been on OSPF site, and I have written	09:50AM
23	some code on OSPF, which makes use of bfd	09:50AM
24	all-interfaces.	09:50AM
25	Is that what you are asking?	09:50AM
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1	BY MR.	SILBERT:	09:50AM
2	Q	Okay. Well, let me just understand.	09:50AM
3		Did is it true that you did not author the	09:50AM
4	comman	d "bfd all-interfaces"?	09:50AM
5		MR. NEUKOM: Objection; calls for a legal	09:50AM
6	conclu	sion.	09:50AM
7		THE WITNESS: So bfd all-interfaces code I have	09:50AM
8	writte	n for OSPF.	09:50AM
9	BY MR.	SILBERT:	09:51AM
10	Q	Okay. I'm sorry, did I were you finished?	09:51AM
11	A	Yes.	09:51AM
12	0	Okay. Did you come up with the phrase	09:51AM
	_ ~		
		ll-interfaces" or did someone else do that?	09:51AM
13	"bfd a	ll-interfaces" or did someone else do that?	
13	"bfd a	ll-interfaces" or did someone else do that? So this is this is quite dated. My best	
13 14	"bfd a		09:51AM)
13 14 15	"bfd a A recoll	So this is this is quite dated. My best	09:51AM 09:51AM
13 14 15 16	"bfd a A recoll protoc	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6	09:51AM 09:51AM 09:51AM
13) 14) 15) 16)	"bfd a A recoll protoc be one	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could	09:51AM 09:51AM 09:51AM
13) 14) 15) 16) 17)	"bfd a A recoll protoc be one So thi	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this.	09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18	"bfd a A recoll protoc be one So thi	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19	"bfd a A recoll protoc be one So thi take c engine	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19 20	"bfd a A recoll protoc be one So thi take c engine into t	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits he bigger bigger piece of organization of	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19 20 21	"bfd a A recoll protoc be one So thi take c engine into t comman	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits he bigger bigger piece of organization of ds, what makes sense, what is more aesthetically	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19 20 21 22	"bfd a A recoll protoc be one So thi take c engine into t comman	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits he bigger bigger piece of organization of ds, what makes sense, what is more aesthetically tin the in the correct scope and with the	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19 20 21 22 23 24	"bfd a A recoll protoc be one So thi take c engine into t comman correc choice	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits he bigger bigger piece of organization of ds, what makes sense, what is more aesthetically t in the in the correct scope and with the s we had and the team of engineers, I believe, who	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19 20 21 22	"bfd a A recoll protoc be one So thi take c engine into t comman correc choice	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits he bigger bigger piece of organization of ds, what makes sense, what is more aesthetically tin the in the correct scope and with the	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM
13 14 15 16 17 18 19 20 21 22 23 24	"bfd a A recoll protoc be one So thi take c engine into t comman correc choice	So this is this is quite dated. My best ection is we actually looked at a variety of IPv6 ols, and we were trying to figure out what could of the one of the best ways to express this. s is more of a collaborative effort. I cannot redit of coming up with it. It's a team of ers actually who looked into it, how this fits he bigger bigger piece of organization of ds, what makes sense, what is more aesthetically t in the in the correct scope and with the s we had and the team of engineers, I believe, who p with this.	09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM 09:51AM

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1	Q Okay. So if you can't take credit for coming up	09:51AM
2	with the phrase "bfd all-interfaces," who, to your	09:51AM
3	knowledge, on the team of engineers came up with that	09:52AM
4	phrase?	09:52AM
5	MR. NEUKOM: Objection; misstates prior	09:52AM
6	testimony.	09:52AM
7	THE WITNESS: Can't recollect exactly, was it one	09:52AM
8	engineer or was it a bunch of proposals we had and we	09:52AM
9	collectively said this this is the best thing to go	09:52AM
10	with.	09:52AM
11	BY MR. SILBERT:	09:52AM
12	Q Okay. So you don't know who came up with the	09:52AM
13	phrase "bfd all-interfaces"?	09:52AM
14	A I can't at this point, yeah.	09:52AM
15	Q Okay. But you do know, I believe you said, that	09:52AM
16	when the team of engineers was working, doing the work	09:52AM
17	that resulted in that phrase, they were consulting	09:52AM
18	protocols or industry standards; correct?	09:52AM
19	MR. NEUKOM: Objection; misstates prior	09:52AM
20	testimony.	09:52AM
21	THE WITNESS: So it's a team of engineers are	09:52AM
22	typically looking at what is the best way to express a	09:52AM
23	certain functionality, right? And they are trying to	09:52AM
24	come up with the best possible command-line interface,	09:52AM
25	and and we can get into sort of why and and what	09:52AM
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1	is the process and so on, right?	09:53AM
2	In Cisco, there is there is a team of people	09:53AM
3	who are part of alias called "parser police." What they	09:53AM
4	do is if you want to write a new command, you send them	09:53AM
5	your proposal. They review it. They will tell you that	09:53AM
6	you are not going in the right direction, because they	09:53AM
7	are guiding the overall architecture purity. They are	09:53AM
8	giving you the overall choice on how to sort of design	09:53AM
9	such things.	09:53AM
10	What I was trying to say is the team of engineers	09:53AM
11	write proposals, send it to parser police, for example,	09:53AM
12	for their governance, and what finally gets decided,	09:53AM
13	again, among engineers and the governance party, is what	09:53AM
14	developers implement at the end of the day.	09:53AM
15	(Discussion off the stenographic record.)	09:53AM
16	BY MR. SILBERT:	09:53AM
17	Q Okay. Understanding that you didn't come up with	09:54AM
18	the phrase bfd all-interfaces, you are familiar with	09:54AM
19	that CLI command; correct?	09:54AM
20	A Yes, I am.	09:54AM
21	MR. NEUKOM: Objection; compound.	09:54AM
22	BY MR. SILBERT:	09:54AM
23	Q Would a strike that.	09:54AM
24	Is it I just want to use the correct	09:54AM
25	terminology.	09:54AM
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1	Would you say that it's system administrators who	09:54AM
2	are entering CLI commands? Should we call them "users"?	09:54AM
3	What would make the most sense?	09:54AM
4	MR. NEUKOM: Objection to form.	09:55AM
5	THE WITNESS: I mean, any person who wants to	09:55AM
6	configure a device, so you could choose any language.	09:55AM
7	You could choose a "user." You could choose "operator."	09:55AM
8	MR. SILBERT: Okay.	09:55AM
9	THE WITNESS: You could choose variety of	09:55AM
10	different titles.	09:55AM
11	BY MR. SILBERT:	09:55AM
12	Q Okay. If an operator wanted to enter this	09:55AM
13	command, what would he or she actually type into the	09:55AM
14	interface?	09:55AM
15	A So so when you	09:55AM
16	MR. NEUKOM: Objection; vague.	09:55AM
17	THE WITNESS: when you said "this command,"	09:55AM
18	you will have to be a little bit more explicit, right?	09:55AM
19	because the document clearly says this command is	09:55AM
20	applicable for variety of different technologies.	09:55AM
21	So, first, you have to get to which technology	09:55AM
22	are you talking about, and then how do you configure	09:55AM
23	that, and how do you type in the right place. It's	09:55AM
24	quite quite a bit to get to the question you are	09:55AM
25	asking, that what will he type.	09:55AM
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1	Q Okay. Would you look at the page I want to	10:27AM
2	direct your attention to Section 2.10, and it's the page	10:27AM
3	number if you look at the bottom-right corner, those	10:27AM
4	little numbers on the bottom that lawyers call "Bates	10:27AM
5	numbers," it ends in 005.	10:28AM
6	A Yes, I see that.	10:28AM
7	Q Do you see where it says Section 2.10 "Content:	10:28AM
8	Command Clarity"?	10:28AM
9	A Yeah, I see that.	10:28AM
10	Q Under that heading, do you see where it says,	10:28AM
11	"Commands should be self-explanatory, so that a	10:28AM
12	relatively knowledgeable user can figure out the command	10:28AM
13	function from the command and on-line help without	10:28AM
14	having to scurry off to the manuals, or worse, consume	10:28AM
15	support resources."	10:28AM
16	Did I read that correctly?	10:28AM
17	A Yes.	10:28AM
18	Q Is that a principle that Cisco applies in naming	10:28AM
19	CLI commands?	10:28AM
20	MR. NEUKOM: Objection; lacks foundation,	10:28AM
21	document speaks for itself, and asked and answered.	10:28AM
22	THE WITNESS: So so your question is, again,	10:28AM
23	quite broad, Does Cisco do this? This document I	10:29AM
24	don't know the applicability of this to which operating	10:29AM
25	system or what software we are talking about, but if	10:29AM
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1	you if you if you are purely quoting this, the	10:29AM
2	first the first line of this document, it does	10:29AM
3	recommend the choice of commands should be	10:29AM
4	self-explanatory.	10:29AM
5	BY MR. SILBERT:	10:29AM
6	Q Is that a principle that you have used in naming	10:29AM
7	CLI commands?	10:29AM
8	MR. NEUKOM: Objection; vague and compound, asked	10:29AM
9	and answered.	10:29AM
10	THE WITNESS: You you do want to make smart	10:29AM
11	choices, choices which, as I answered earlier, makes	10:29AM
12	sense from from aesthetic perspective, makes sense	10:29AM
13	from the alignment and architectural perspective.	10:29AM
14	Self-explanatory is is quite tricky because	10:30AM
15	if if I really wanted to be self-explanatory, the	10:30AM
16	command will be quite long, right? So so the	10:30AM
17	challenge any developer has is: What is the command you	10:30AM
18	really want to do? And the principles which I said	10:30AM
19	earlier, I think those are the varying principles at	10:30AM
20	least I have used.	10:30AM
21	BY MR. SILBERT:	10:30AM
22	Q Okay. Let me direct your attention back to the	10:30AM
23	document, picking up where I left off reading. It says,	10:30AM
24	"What constitutes 'self-explanatory' will vary by your	10:30AM
25	target audience, so be prepared to defend that point to	10:30AM
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1	your reviewers. It is entirely possible that a	10:30AM
2	non-expert reviewer may find the command," quote,	10:30AM
3	"forward-peak-cell-rate-clp1," unquote, "offensively	10:30AM
4	complex, but the point can be made that this will be the	10:30AM
5	only acceptable syntax for the ATM community based on	10:30AM
6	the vocabulary and culture of that user group."	10:31AM
7	And I'll stop reading there.	10:31AM
8	Are you familiar with that command that's in	10:31AM
9	quotation marks there?	10:31AM
10	A No, I'm not.	10:31AM
11	Q Okay. Do you have any reason to disagree that	10:31AM
12	the point could be made that that command would be the	10:31AM
13	only acceptable syntax for the ATM community based on	10:31AM
14	the vocabulary and culture of that user group?	10:31AM
15	MR. NEUKOM: Objection; lacks foundation.	10:31AM
16	THE WITNESS: I'm not familiar with what this	10:31AM
17	command is, but purely going by the text, if if some	10:31AM
18	developer thought that is the only way to write that	10:31AM
19	command, I think that is what it's trying to capture.	10:31AM
20	BY MR. SILBERT:	10:31AM
21	Q And are you aware of other CLI commands used by	10:31AM
22	Cisco where a developer thought that the command used by	10:31AM
23	Cisco was the only acceptable syntax for the user group	10:31AM
24	based on the vocabulary and culture of the group?	10:32AM
25	MR. NEUKOM: Objection; misstates the witness's	10:32AM
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1	prior testimony, lack of foundation, calls for	10:32AM
2	speculation.	10:32AM
3		10:32AM
	THE WITNESS: Yes, it's a broad question. I	
4	can't I can't tell you any command particular.	10:32AM
5	Again, if you have something specific, I can possibly	10:32AM
6	look at some documents and talk.	10:32AM
7	BY MR. SILBERT:	10:32AM
8	Q When you have named CLI commands at Cisco, did	10:32AM
9	you take into account the vocabulary and culture of the	10:32AM
10	user group who would be using the command?	10:32AM
11	MR. NEUKOM: Objection; vague and compound.	10:32AM
12	THE WITNESS: So the way I have designed the	10:32AM
13	the commands I think I already explained, right?	10:32AM
14	you typically look at the content, look at the feature,	10:32AM
<mark>15</mark>	look at what is being asked, and you start with your	10:32AM
16	best guess. Your best guess, again, may or may not be	10:32AM
17	the best which will eventually have the light of the	10:32AM
18	day, but you go with your knowledge and your judgment.	10:32AM
19	MR. SILBERT: Right.	10:33AM
20	Q And in applying your knowledge and judgment, did	10:33AM
21	you take into account the vocabulary and culture of the	10:33AM
22	user group that would use the command?	10:33AM
23	MR. NEUKOM: Objection; asked and answered, vague	10:33AM
24	and compound.	10:33AM
25	THE WITNESS: So vocabulary and culture of user	10:33AM
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1	group requires people to be plugged in with the	10:33AM
2	vocabulary and culture, and a lot of this is really	10:33AM
3	marketing-type people who are more plugged in.	10:33AM
4	Engineers are typically hiding in a cube doing	10:33AM
5	their own stuff. They may not even be as plugged in, so	10:33AM
6	it it's hard to put that in what you are designing.	10:33AM
7	The first instinct, including me and other	10:33AM
8	engineers, is you look at what is being asked and you	10:33AM
9	come with command which actually aligns with rest of the	10:33AM
10	things.	10:33AM
11	BY MR. SILBERT:	10:33AM
12	Q So your testimony is that, with respect to the	10:34AM
13	commands that you have named, you have not taken into	10:34AM
14	consideration the vocabulary and culture of the user	10:34AM
15	group that would use the command?	10:34AM
16	MR. NEUKOM: Objection; calls for speculation,	10:34AM
17	vague, compound, and asked and answered.	10:34AM
18	THE WITNESS: So for most of my work, I would say	10:34AM
19	I have relied on on the requirements and the	10:34AM
20	documents at hand and not at the culture and the user	10:34AM
21	group.	10:34AM
22	BY MR. SILBERT:	10:34AM
23	Q When you say "the requirements," are you	10:34AM
24	referring to the specifications or protocols relating to	10:34AM
25	that feature?	10:34AM
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